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APPLICATION NO.	FILI	NG DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/729,932	12/09/2003		Hul Chun Hsu	OP-094000506	2437		
46103 HDSL	7590	05/17/2007		EXAM	EXAMINER		
4331 STEVE		LE LANE	DUONG	DUONG, THO V			
FAIRFAX, VA 22033				ART UNIT	PAPER NUMBER		
				3744	¥		
				MAIL DATE	DELIVERY MODE		
				05/17/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)						
	10/729,932	HSU, HUL CHUN						
Office Action Summary	Examiner	Art Unit						
	Tho v. Duong	3744						
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with t	ne correspondence address						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period was reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICAT 36(a). In no event, however, may a reply vill apply and will expire SIX (6) MONTHS cause the application to become ABAND	FION. be timely filed from the mailing date of this communication. FONED (35 U.S.C. § 133).						
Status								
1) Responsive to communication(s) filed on <u>03 March 2007</u> .								
2a)⊠ This action is FINAL . 2b)☐ This	This action is FINAL . 2b) This action is non-final.							
·	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11	1, 453 O.G. 213.						
Disposition of Claims								
4)⊠ Claim(s) <u>1,3 and 8-10</u> is/are pending in the application.								
4a) Of the above claim(s) is/are withdrawn from consideration.								
5) Claim(s) is/are allowed.	5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1,3 and 8-10</u> is/are rejected.	7) Claim(s) is/are objected to:							
8) Claim(s) are subject to restriction and/or	r election requirement.							
Application Papers								
9) The specification is objected to by the Examine	r.							
10) The drawing(s) filed on is/are: a) acce	epted or b)□ objected to by t	the Examiner.						
Applicant may not request that any objection to the	drawing(s) be held in abeyance.	See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct		-						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Of	ffice Action or form PTO-152.						
Priority under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a) All b) Some * c) None of:								
1. Certified copies of the priority documents have been received.								
2. Certified copies of the priority documents have been received in Application No								
3. Copies of the certified copies of the priority documents have been received in this National Stage								
application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment(s)								
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)		mary (PTO-413) ail Date						
3) Information Disclosure Statement(s) (PTO/SB/08)	5) 🔲 Notice of Inform	mal Patent Application						
Paper No(s)/Mail Date	6) Other:							

DETAILED ACTION

Response to Amendment

The amendment filed 3/3/07 is objected to under 35 U.S.C. 132(a) because it introduces new matter into the disclosure. 35 U.S.C. 132(a) states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: the outside wall and the inside wall of the heat pipe. It appears in the drawing that the heat pipe has a surrounding wall to form a heat pipe but not two distinct inside wall and outside wall.

Applicant is required to cancel the new matter in the reply to this Office Action.

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the inside wall and the outside wall must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the

renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: the claimed subject matter of "a pressed recess portion on one side of a low region" is not described by the specification.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1,3, and 8-10 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The claimed subject matter that an outside wall portion and an inside wall of the pressed recess portion; and a volume reduced portion formed inside of the heat pipe, are not

supported by the original disclosure. It appears in the original disclosure that heat pipe has a surrounding wall but not two distinct inside and outside walls. Furthermore, it does not appear in the original disclosure that a volume reduced portion (14) formed inside of the heat pipe. In fact, it appears that the volume reduced portion is formed at the distal end of the heat pipe.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1,3 and 8-10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The claimed subject matter that "a pressed recess outside wall portion formed a pressed recess portion on one side of a low region of the heat pipe adjacent to the distal opening... wherein an inside wall of the pressed recess portion near the distal opening is overlapped" renders the scope of the claim indefinite since it is not clear what applicant is claiming by "inside" and "outside" wall. If applicant is claiming that the wall of the portion (13) is an inside wall, then the question is where is the outside wall and where is the part that the inside wall is overlapped. Clearly, the walls on two opposite side near the end of the heat pipe is pressed to be in closed contact in an overlapped manner but the wall near the distal end of the heat pipe is not the inside wall. Moreover, the claimed subject matter of "a pressed recess portion on one side of a low region of the heat pipe" renders the scope of the claim indefinite since it is not clear whether applicant is claiming that the low region is one end of the heat pipe.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho v. Duong whose telephone number is 571-272-4793. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tyler J. Cheryl can be reached on 571-272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Tho v Duong

Primary Examiner

Art Unit 3744

TD

May 11, 2007